Environmental Monitoring and Assessment

Volume 147 · Numbers 1–3 · December 2008

Spatial patterns in vegetation fires in the Indian region
K.P. Vadrevu · K.V.S. Badarinath · E. Anuradha **1**

Phytoremediation efficiency of *Portulaca tuberosa* rox and *Portulaca oleracea* L. naturally growing in an industrial effluent irrigated area in Vadodra, Gujrat, India
K.K. Tiwari · S. Dwivedi · S. Mishra · S. Srivastava · R.D. Tripathi · N.K. Singh · S. Chakraborty **15**

Measurement of ambient hydroperoxides using an automated HPLC system and various factors which affect variations of their concentrations in Korea
S.B. Hong · G.S. Kim · C.H. Kang · J.H. Lee **23**

Determination of some heavy metal levels and oxidative status in *Carassius carassius* L., 1758 from Eber Lake
A.F. Fidan · İ.H. Ciğerci · M. Konuk · İ. Küçükkurt · R. Aslan · Y. Dündar **35**

Atmospheric polycyclic aromatic hydrocarbons (PAHs) in the urban air of Delhi during 2003
H. Sharma · V.K. Jain · Z.H. Khan **43**

Relationship between landscape characteristics and surface water quality
C.L. Chang · W.H. Kuan · P.S. Lui · C.Y. Hu **57**

Copper and Zinc in a paddy field and their potential ecological impacts affected by wastewater from a lead/zinc mine, P. R. China
Q.-w. Yang · C.-y. Lan · W.-s. Shu **65**

Genotoxicity screening of the river Rasina in Serbia using the *Allium* anaphase–telophase test
M. Vujošević · S. Anđelković · G. Savić · J. Blagojević **75**

Qualitative evaluation of Kanhan river and its tributaries flowing over central Indian plateau
G.K. Khadse · P.M. Patni · P.S. Kelkar · S. Devotta **83**

Evaluation of the water quality related to the acid mine drainage of an abandoned mercury mine (Alaşehir, Turkey)
Ü. Gemici **93**

Metal pollution assessment of sediment and water in the Shur River
A.R. Karbassi · S.M. Monavari · Gh.R. Nabi Bidhendi · J. Nouri · K. Nematpour **107**

Concentrations of Cr, Cd, Cu, Zn and Fe in crab *Charybdis longicollis* and shrimp *Penaeus semisulcatus* from the Iskenderun Bay, Turkey
Ö. Firat · G. Gök · H.Y. Çoğun · T.A. Yüzereroğlu · F. Kargin **117**

Assessment of groundwater vulnerability in the coastal region of Oman using DRASTIC index method in GIS environment
A. Jamrah · A. Al-Futaisi · N. Rajmohan · S. Al-Yaroubi **125**

Development and application of an integrated indoor air quality audit to an international hotel building in Taiwan
N.-W. Kuo · H.-C. Chiang · C.-M. Chiang **139**

Experimental study on flow and gaseous diffusion behind an isolated building
M.F. Yassin · M. Ohba · H. Tanaka **149**

Application of multivariate statistical techniques to evaluation of water quality in the Mala Welna River (Western Poland)
M. Sojka · M. Siepak · A. Zioła · M. Frankowski · S. Murat-Błażejewska · J. Siepak **159**

Heavy metal contamination of road-deposited sediments in a medium size city of China
W. Zhu · B. Bian · L. Li **171**

Assessment of some trace heavy metals and radioactivity concentration in water of Bendimahi River Basin (Van, Turkey)
Ö.S. Zorer · H. Ceylan · M. Doğru **183**

Water monitoring and treatment for drinking purposes in 2004 tsunami affected area—Ban Nam Khem, Phang Nga, Thailand
C. Collivignarelli · P. Thampoophasiam · M. Vaccari · V. De Felice · V. Di Bella · R. Mingkwan **191**

Arsenic concentration and speciation in five freshwater fish species from Back Bay near Yellowknife, NT, CANADA
S. de Rosemond · Q. Xie · K. Liber **199**

Direct screening of ground water samples for fuel oxygenates by headspace liquid phase microextraction–gas chromatography
M. Kaykhaii · M.R. Mirbaloochzahi **211**

Impact of CNG implementation on PAHs concentration in the ambient air of Delhi: A comparative assessment of pre- and post-CNG scenario
P.S. Khillare · T. Agarwal · V. Shridhar **223**

Sensitive spectrophotometric methods for the assessment of nitrite in water sample
P. Nagaraj · J.S. Prakash · A. Shivakumar · A.K. Shrestha **235**

The emergy analysis of loop circuit
K. Cao · X. Feng **243**

Seasonal variations of heavy metal contamination in river Gomti of Lucknow city region
M.B. Lohani · A. Singh · D.C. Rupainwar · D.N. Dhar **253**

Microbial contamination of dental unit waterlines in Istanbul, Turkey
D. Göksay · A. Çotuk · Z. Zeybek **265**

Canopy assessment of biochemical features by ground-based hyperspectral data for an invasive species, giant reed (*Arundo donax*)
S. Ge · R.I. Carruthers · D.F. Spencer · Q. Yu **271**

Study of heat exposure during Hajj (pilgrimage)
M.H. Noweir · A.O. Bafail · I.M. Jomoah **279**

Industrial effluent quality, pollution monitoring and environmental management
M. Ahmad · A.S. Bajahlan · W.S. Hammad **297**

Chromium-induced changes in ultramorphology and secondary metabolites of *Phyllanthus amarus* Schum & Thonn. – an hepatoprotective plant
V. Rai · S. Mehrotra **307**

Distributions, sources and risk assessment of polycyclic aromatic hydrocarbons (PAHs) in topsoil at Ji'nan city, China
J. Dai · S. Li · Y. Zhang · R. Wang · Y. Yu **317**

Land desertification monitoring and assessment in Yulin of Northwest China using remote sensing and geographic information systems (GIS)
Y. Zhang · Z. Chen · B. Zhu · X. Luo · Y. Guan · S. Guo · Y. Nie **327**

Research on aquatic ecoregions for lakes and reservoirs in China
B. Zhou · B. Zheng **339**

Spatial and seasonal patterns in water quality in an embayment-mainstem reach of the tidal freshwater Potomac River, USA: a multiyear study
R.C. Jones · D.P. Kelso · E. Schaeffer **351**

Comparative distribution of the scalp hair trace metal contents in the benign tumour patients and normal donors
Q. Pasha · S.A. Malik · J. Iqbal · N. Shaheen · M.H. Shah **377**

Assessment of metal enrichments in tsunamigenic sediments of Pichavaram mangroves, southeast coast of India
R.K. Ranjan · Al. Ramanathan · G. Singh · S. Chidambaram **389**

Three dimensional monitoring of urban development by means of ortho-rectified aerial photographs and high-resolution satellite images
E. Ayhan · Ö. Erden · E.T. Gormus **413**

Airborne fungi in child day care centers in Edirne City, Turkey
H. Aydogdu · A. Asan **423**

Conductivity as a tracer of agricultural and urban runoff to delineate water quality impacts in the northern Everglades
M.C. Harwell · D.D. Surratt · D.M. Barone · N.G. Aumen **445**

Persistence of metsulfuron-methyl in wheat crop and soil
S. Sondhia **463**

Ecological risk assessment of open coal mine area
M. Xi-jun · L. Zhao-hua · C. Jian-long **471**

Instructions for Authors for *Environ Monit Assess* are available at http://www.springer.com/10661.